

Develop the question as a topic sentence in Paragraph 1.

① What is the critical question?
 How do problems with the ozone layer teach us about human effects on our environment?

② What are the key terms and explanations?
 What is our environment? All the things surrounding us (air, land, living things)
 What is the ozone layer? Invisible layer of gas that shields us from UV radiation
 What is UV? Ultraviolet radiation, or harmful rays from the sun
 What are CFCs? Chlorofluorocarbons-chemicals with chlorine

Use background information and definitions to develop Paragraph 1.

③ What are the supporting questions and answers?
 What has happened in the past? In the past, a protective ozone layer was formed when UV rays hit the oxygen in the air around the earth.
 What has caused PROBLEMS? The problem is that the ozone layer around the earth is being destroyed by CFCs in products cleaning products, foam containers, refrigerator coolants and spray cans).
 What are the EFFECTS? The effects include: 1) physical harm (skin cancer & cataracts)
 2. environmental harm (crops and ocean plants)
 3. change in weather patterns
 4) greenhouse warming of the earth
 What are SOLUTIONS? Solutions include: 1. voluntary cutbacks of CFC products
 2 use of alternatives to CFCs (HCFCs)
 3. world conferences to cut CFCs
 What are other concerns? Some people still don't think it's a problem.

Use answers to smaller questions to develop the body of the essay e.g., Paragraphs 2, 3, & 4.

Use Main Idea Answer to develop a conclusion in Paragraph 5.

④ What is the main idea answer?
People can harm the environment without intending it or even believing it

⑤ Explore and use the main idea. How can we explore the facts ourselves?
 Experiments with balloons show that oxygen can be changed to ozone.

Add insights to conclusion in Paragraph 5 with generalizations..

⑥ Extend the main idea to your world. What can an individual do?
 An individual can decide to do research on which products cause damage to ozone layer.

Figure 1: Question Exploration Guide for the question, "How do problems with the ozone layer teach us about human effects on our environment?"